| As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled TREAD NOISE IMPROVEMENT BY MODULATING GROOVE RESONANCE FREQUENCY the specification of which X is attached hereto. was filed on as Application Serial No. and was amended on (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56. I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below: | | | | | |
|--|---|--|--|--|--|
| (Application Serial No.) | <u>.</u> (I | Filing Date) | | | |
| (Application Serial No.) I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365 of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: | | | | | |
| (Application Serial No.) | (Filing Date) | (Status)(patented, pending, abandoned) | | | |
| (Application Serial No.) | (Filing Date) | (Status)(patented, pending, abandoned) | | | |
| As named inventor(s), I or we heret application and transact all business in the Pa David L King Nancy T Krawczyk Alvin T Rockhill Bruce J Hendricks John D DeLong Richard B O'Planick I hereby declare that all statements on information and belief are believed to be that willful false statements and the like so m | tent and Trademark Registratio Registratio Registratio Registratio Registratio Registratio Registratio Registratio registratio ande herein of my of true; and further tha | wing attorney(s) and/or agent(s) to prosecute this k Office connected therewith. on No. 33,925 on No. 38,744 on No. 30,417 on No. 30,262 on No. 44,648 | | | |
| Full name of joint named inventor (given name, family name): Timothy Robert Richards | | | | | |
| Inventor's signature: 11m ofly Labert Richard Date: 7/1/2003 | | | | | |
| Residence: Fairlawn, Ohio 44333, U.S.A. | | Citizen of: United States of America | | | |
| Post Office Address: 299 Stratford Road, Fa | irlawn, Ohio 44333 | 3, U.S.A. | | | |
| Additional inventors are being named on separately numbered sheets attached hereto. | | | | | |
| SEND CORRESPONDENCE TO: The Goodyear Tire & Rubber Company Patent & Trademark Department - D/823 1144 East Market Street Akron, Ohio 44316-0001 | | DIRECT TELEPHONE CALLS TO: vid L. King, Patent Attorney 0) 796-6389 | | | |
| Page 1 OF 5 page(s) | • | | | | |

| As a below named inventor, I l My residence, post office addr | | | elow next to my r | name. | |
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| My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a | | | | | |
| patent is sought on the invention entitle | | | IENT BY MOD | ULATING GROOVE | |
| RESONANCE FREQUENCY the specification of which X is attached hereto. | | | | | |
| | as Applicatio | n Serial No. | | | |
| was filed on (if | applicable). | | | | |
| I hereby state that I have revie | wed and understand | the contents of | of the above ident | ified specification, | |
| including the claims, as amended by an I acknowledge the duty to disc | | | l to natentability | as defined in 37 C F R | |
| §1.56. | 1000 mormation w | mon is materia | to patentionity | as defined in 57 O.1 .ic. | |
| I hereby claim the benefit under | er 35 U.S.C. §119(e | e) of any United | d States provision | nal application(s) listed | |
| below: | | | | | |
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| (Application Serial No.) | | (Filing Da | te) | | |
| (Application Serial No.) | | (Filing Da | te) | | |
| I hereby claim the benefit under | er 35 U.S.C. §120 c | of any United S | tates application(| s) or §365 of any PCT | |
| International application designating the | e United States, list | ed below and, | insofar as the sub | ject matter of each of the | |
| claims of this application is not disclose | ed in the prior Unite | ed States or PC | T International ap | pplication in the manner | |
| provided by the first paragraph of 35 U to patentability as defined in 37 C.F.R. | .S.C. §112, 1 acknows 81.56 which became | wledge the dut | y to disclose into | mation which is material | |
| and the national or PCT international fi | | | ween the fitting d | ate of the prior application | |
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| (Application Serial No.) | (Filing Date) | | Ct-t)(m-to-t-d | | |
| | | ·· | | pending, abandoned) | |
| (Application Serial No.) | (Filing Date) | (9 | Status)(patented, | pending, abandoned) | |
| As named inventor(s), I or we application and transact all business in David L King Nancy T Krawczyk | the Patent and Trad Regi | following attor | connected therewise 33,925 | ent(s) to prosecute this ith. | |
| Alvin T Rockhill | Regi | stration No. | 30,417 | | |
| Bruce J Hendricks | Regi | stration No. | 30.262 | | |
| John D DeLong | Regi | stration No. | 44,648 | - | |
| Richard B O'Planick | | stration No. | 29,096 | ed that all statements made | |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon. | | | | | |
| Full name of sole or first inventor (given name, family name): Kevin Lee Burnworth | | | | | |
| Inventor's signature: | Bunt | | Date: Aug | 2,2003 | |
| Residence: Cuyahoga Falls, Ohio 4422 | 21, U.S.A. | | Citizen of: <u>United</u> | d States of America | |
| Post Office Address: 1398 Buckinghar | n Gate Blvd., Apt. | 12, Cuyahoga I | Falls, Ohio 44221 | , U.S.A. | |
| Additional inventors are being named on separately numbered sheets attached hereto. | | | | | |
| CENTO CORDECTION TO THE TO | | Din | POT TEL PRIO | VE CALLS TO | |
| SEND CORRESPONDENCE TO: The Goodyear Tire & Rubber Compar Patent & Trademark Department - D/8 1144 East Market Street Akron, Ohio 44316-0001 | | | ECT TELEPHON g, Patent Attorne 89 | | |
| Page 2 OF 5 page | ge(s) | | | | |

| patent is sought on the invention entitled TREARESONANCE FREQUENCY the specification is attached hereto. | citizenship are nt inventor of th AD NOISE IM on of which | ne subject matter which is claimed and for which a IPROVEMENT BY MODULATING GROOVE |
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| including the claims, as amended by any amend | understand the ment referred t | contents of the above identified specification, to above. |
| §1.56. | | is material to patentability as defined in 37 C.F.R. any United States provisional application(s) listed |
| | | |
| (Application Serial No.) | | (Filing Date) |
| International application designating the United claims of this application is not disclosed in the provided by the first paragraph of 35 U.S.C. §1 | States, listed by prior United S 12, I acknowled hich became av | (Filing Date) by United States application(s) or §365 of any PCT below and, insofar as the subject matter of each of the tates or PCT International application in the manner dge the duty to disclose information which is material vailable between the filing date of the prior application tion: |
| (Application Serial No.) (Fi | iling Date) | (Status)(patented, pending, abandoned) |
| (Application Serial No.) (F) | iling Date) | (Status)(patented, pending, abandoned) |
| application and transact all business in the Pater David L King Nancy T Krawczyk Alvin T Rockhill Bruce J Hendricks John D DeLong Richard B O'Planick I hereby declare that all statements ma on information and belief are believed to be true that willful false statements and the like so mad 1001 of Title 18 of the United States Code, and application or any patent issuing thereon. | nt and Tradema Registra Registra Registra Registra Registra Registra de herein of me; and further the are punishab that such willf | tion No. 33,925 tion No. 38,744 tion No. 30,417 tion No. 30,262 tion No. 44,648 tion No. 29,096 y own knowledge are true and that all statements made hat these statements were made with the knowledge le by fine or imprisonment, or both, under section ul false statement may jeopardize the validity of the |
| Full name of sole or first inventor (given name, | ramily name): | |
| Residence: Fairlawn, Ohio 44333, U.S.A. | - & | Date: 7/2/03 Citizen of: United States of America |
| Post Office Address: 364 Spyglass Drive, Fairl | lovm Ohio 442 | · · · · · · · · · · · · · · · · · · · |
| Additional inventors are being named on | • | |
| SEND CORRESPONDENCE TO: The Goodyear Tire & Rubber Company Patent & Trademark Department - D/823 1144 East Market Street Akron, Ohio 44316-0001 | | DIRECT TELEPHONE CALLS TO: avid L. King, Patent Attorney 30) 796-6389 |

OF <u>5</u>

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| including the claims, as amended by any amendment referr | ed to above. | | | | |
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| (Application Serial No.) | (Filing Date) | | | | |
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| (Application Serial No.) (Filing Date) abandoned) | (Status)(patented, pending, | | | | |
| (Application Serial No.) (Filing Date) abandoned) | (Status)(patented, pending, | | | | |
| POWER OF ATTORNEY As named inventor(s), I or we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. | | | | | |
| | stration No. 33,925 stration No. 38,744 | | | | |
| Alvin T Rockhill Regi | stration No. 30,417 | | | | |
| Bruce J Hendricks Regi | stration No. 30,262 | | | | |
| | stration No. 44,648 | | | | |
| Richard B O'Planick Registration No. 29,096 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon. | | | | | |
| Full name of sole or first inventor (given name, family name | - / - / | | | | |
| Inventor's signature: | Date: 07/07/2003 | | | | |
| Residence: <u>Hudson, Ohio 44236, U.S.A.</u> Citizen of: <u>Peoples Republic of China</u> | | | | | |
| Post Office Address: 5476 Port Chester Drive, Hudson, O | hio 44236, U.S.A. | | | | |
| Additional inventors are being named on separately numbered sheets attached hereto. | | | | | |
| SEND CORRESPONDENCE TO: The Goodyear Tire & Rubber Company Patent & Trademark Department - D/823 1144 East Market Street Akron, Ohio 44316-0001 | DIRECT TELEPHONE CALLS TO: David L. King, Patent Attorney (330) 796-6389 | | | | |

| As a below named inventor, I hereby declare that: | | | | | |
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| X is attached hereto. | A 1157 | | | | |
| was filed on as Application and was amended on (if applicable). | on Serial No. | | | | |
| | d the contents of the above identified specification, | | | | |
| including the claims, as amended by any amendment refer | | | | | |
| | which is material to patentability as defined in 37 C.F.R. | | | | |
| §1.56. | · . | | | | |
| | e) of any United States provisional application(s) listed | | | | |
| below: | | | | | |
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| (Application Serial No.) | (Filing Date) | | | | |
| (| CONT. L. D. L. V. | | | | |
| (Application Serial No.) Thereby claim the benefit under 35 U.S.C. 8120. | (Filing Date) of any United States application(s) or §365 of any PCT | | | | |
| | sted below and, insofar as the subject matter of each of the | | | | |
| claims of this application is not disclosed in the prior Unit | | | | | |
| | owledge the duty to disclose information which is material | | | | |
| | ne available between the filing date of the prior application | | | | |
| and the national or PCT international filing date of this ap | | | | | |
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| (Application Serial No.) (Filing Date) | (Status)(patented, pending, abandoned) | | | | |
| NOWED OF | A TOMO DATES | | | | |
| | ATTORNEY | | | | |
| application and transact all business in the Patent and Tra | e following attorney(s) and/or agent(s) to prosecute this | | | | |
| David L King Reg | gistration No. 33,925 | | | | |
| Nancy T Krawczyk Reg | sistration No. 38,744 | | | | |
| | ristration No. 30,417 | | | | |
| | sistration No. 30,262 | | | | |
| John D DeLong Reg | sistration No. 44,648 | | | | |
| | sistration No. 29,096 | | | | |
| | of my own knowledge are true and that all statements made | | | | |
| on information and belief are believed to be true; and furt that willful false statements and the like so made are puni | shable by fine or imprisonment, or both under section | | | | |
| 1001 of Title 18 of the United States Code, and that such | | | | | |
| application or any patent issuing thereon. | The state of the s | | | | |
| | | | | | |
| Full name of sole or first inventor (given name, family na | me): Karl Eric Sundkvist | | | | |
| Inventor's signature: Karl Eric Sunthinil | Date: 7(2/03 | | | | |
| Residence: Akron, Ohio 44313, U.S.A. | Citizen of: United States of America | | | | |
| Post Office Address: 945 Mull Avenue, PH1, Akron, Oh | io 44313, U.S.A. | | | | |
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| Additional inventors are being named on separately | numbered sheets attached hereto | | | | |
| Additional inventors are being named on separately | numbered sheets attached hereto. | | | | |
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| SEND CORRESPONDENCE TO: | DIRECT TELEPHONE CALLS TO: | | | | |
| The Goodyear Tire & Rubber Company | BIRECT TELEFITIONE CREED TO. | | | | |
| Patent & Trademark Department - D/823 | David L. King, Patent Attorney | | | | |
| 1144 East Market Street | (330) 796-6389 | | | | |
| Akron, Ohio 44316-0001 | , , | | | | |
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